2897

R/V DAN MOORE STATION LOG

VESSEL (1)	STATION (2-5)	CRUISE NO. (6-8)	MO. (9-14)	DAY	YEAR	GRID (15-17)	LATITUDE (18-21)	LONGITUDE (22-25)
M	2897	036	12	08	75	22AM	3446	7624

DEPTH (26-29)	SUR. TEMP. (30-31)	BTM TEMP. (32-33)	AIR TEMP (34-35)	BAROMETER (36-38)	BT (39)	WIND DIR. (40-41)	WIND SPD. (42-43)
0003	14	15	12	008	X	NW	05

S.C. (44)	WEA. (45-46)	BTM TYPE (47-48)	BTM REG (49)	GEAR TYPE (50-51)	GEAR SIZE (52-54)	OP (55)	TM. START (56-57)	MIN. FISHED (58-60)
1	OC	SA	E	FT	070	—	16	30

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
01	00252	—	—	00022

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
—	—	—	—	—

POSITION	LATITUDE	LONGITUDE	LORAN		DEPTH fms	C/C	TIME ON STATION	
			3116	3421			PO	DO
START	34° 46'	76° 24'	1637	4858	3		1621	1622
							PU	ON
FINISH	34° 47'	76° 23	1617	4858	5		1652	1656

LENGTH WARP	SHAFT RPM	PITCH	GEAR DATA:
50	1200 2 / 5	50	

SPECIAL MODIFICATIONS

OPERATIONAL COMMENTS

OBSERVATIONS

Positive Bluefish & Drum (Tagged and released)

R/V DAN MOORE SPECIES LIST

STA. NO. 2897 DATE Dec 8 19 75 BIOLOGISTS DFH JV SGK

TOT. CATCH WT. 273.6 AIR 12 SURFACE 14.3 BOTTOM 14.6

SAMPLE WT. ~~119~~ 94 RAISING FACTOR 2.1

~~29~~ 94

SPECIES	C or NC	NUMBER	WEIGHT	TOT. WT. (pds)	$\bar{X}$ Wt	REMARKS
Paralichthys dentatus		127	82	82	.6	total
Centropristis striata						
Pomatomus saltatrix	NC	21	8	16.8	.4	
	C	8	7	14.7	.9	
Sphoroides maculatus		5	1.75	3.7	.4	
Leiostomus xanthurus		10	1	2.1	.1	
Lagodon rhomboides						
Micropogonias undulatus		5		.1	.1	
Menticirrhus americanus		1	302	.4	.2	
Cynoscion nebulosus		1	4	8.4	.6	
Diapterus rhombeus		3	1	2.1	.3	
Mugil cephalus		9	.75	1.6	.1	
Peprilus alepidotus		3	.13	.3	trace	
Symphurus plagiusa		1	.25	.5	.3	
Cynoscion regalis		3	.35	.5	.1	
Peprilus triacanthus		1	28+	.3	.1	
Menticirrhus saxatilis						
Vomer setapinnis						
Archosargus probatocephalus		1	9	18.9	9.	
Mustelus canis		2	3	6.3	1.5	
Rhinoptera bonasus		1	4	8.4	4	
Raja eglanteria		12	31	65.1	2.6	
Squalus fernandezianus		1	20	20	20	total
Leiostomus xanthurus		2	2.25	4.8	1.3	
Loligo pealei	NC	93	3.25	6.8	trace	
	C	25	3.5	7.4	.1	
Lolliguncula brevis		2	307	.4	.1	
			1	2.1	1	
Shark						

Species: P. Dentatus

Specimen Number	T.L.	Sex	Otoliths	Gonads	Fecundity	Stomach	Age	Gonad Stage	Station Number	Remarks
1	310	♂							2895	Area IV
2	354	♀						I		I
3	356	♀						I		
4	304	♂								5♂
5	266	♀						I		9♀
6	245	♀						I		1H
7	230	♀						I		
8	227	♀						I		
9	244	♂								
10	298	♀						I		
11	262	♀						I		
12	230	♂								
13	248	♀						I		
14	250	♂								
									2897	Area III
1	313	♂								63 P. Dentatus weighed 42 lbs
2	318	♂								
3	333	♂								
4	386	♀						III		
5	393	♂								other basket weighed 40 lbs
6	363	♀						II		
7	338	♀						I		Count = 65
8	274	♂								
9	282	♂								R.F. = 2
10	429	♀						III		
11	373	♀						I		
12	352	♂								
13	255	♂								
14	300	♂								
15	277	♀						I		
16	313	♂								
17	290	♂								
18	275	♂								
19	280	♂								
20	300	♂								
21	345	♂								
22	310	♂								
23	305	♂								
24	250	♂								
25	300	♂								
26	220	♂								
27	251	♀						I		
28	250	♂								
29	340	♂								
30	310	♂								
31	265	♀						I		

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Species: P. ~~tetrachirus~~ dentatus

Specimen Number	T.L.	Sex	Otoliths	Gonads	Fecundity	Back-calc.	Age	Gonad Stage	Station Number	Remarks
32	220	♀						I	2297 (Con't)	Area III
33	255	♀						I		
34	300	♂								
35	240	♀						I		
36	273	♂								
37	240	♂								
38	327	♂								
39	276	♂								
40	294	♂								
41	258	♂								
42	292	♀						I		
43	345	♂								
44	250	♂								
45	255	♀						I		
46	342	♂								Immature
47	315	♂								Immature
48	305	♂								Immature
49	360	♂								Immature
50	235	♂								
51	383	♀						III		
52	465	♀						III		
53	252	♂								
54	291	♀						I		
55	387	♀						II		
56	237	♂								
57	340	♂								Immature
58	227	♂								"
59	280	♂								"
60	335	♂								"
61	260	♂								"
62	340	♂								"
63	386	♂								"

40 ♂♂
17 ♀♀
63

Length-frequency distribution

Summary AREA 3

Species Paralichthys dentatus

Stations: 2897, 2899, 2901

Date Month: December 1975

Locality: AREA 3

T.L.	♂	♀	SEXES COMBO
190 - 199			
200 -		(2)	(2)
210 -	(1)	(1)	(2)
220 -	(3)	(2)	(5)
230 -	(4)	(2)	(6)
240 -	(2)	(5)	(7)
250 -	(12)	(9)	(21)
260 -	(3)	(1)	(4)
270 -	(10)	(3)	(13)
280 -	(6)	(1)	(7)
290 -	(5)	(6)	(11)
300 -	(15)	(1)	(16)
310 -	(12)	(1)	(13)
320 -	(4)		(4)
330 -	(5)	(3)	(8)
340 -	(15)		(15)
350 -	(2)	(4)	(6)
360 -		(3)	(3)
370 -	(4)	(2)	(6)
380 -	(2)	(9)	(11)
390 -	(2)	(1)	(3)
400 -		(5)	(5)
410 -		(3)	(3)
420 -		(4)	(4)
430 -		(5)	(5)
440 -		(1)	(1)
450 -		(1)	(1)
460 -		(6)	(6)
470 -		(1)	(1)
480 -			
490 -			
500 -			
510 -			
520 -			
530 -			
540 -			
550 -			
560 -			
570 -			
580 -	(107)	(82)	(189)
590 -			

T.L.	N = 189
600 -	actually caught 190
610 -	Loss 1 fish RF
620 -	
630 -	
640 -	
650 -	
660 -	
670 -	
680 -	
690 -	
700 -	
710 -	
720	
730 -	
740 -	
750 -	

RANGE:

♂ 218 - 393

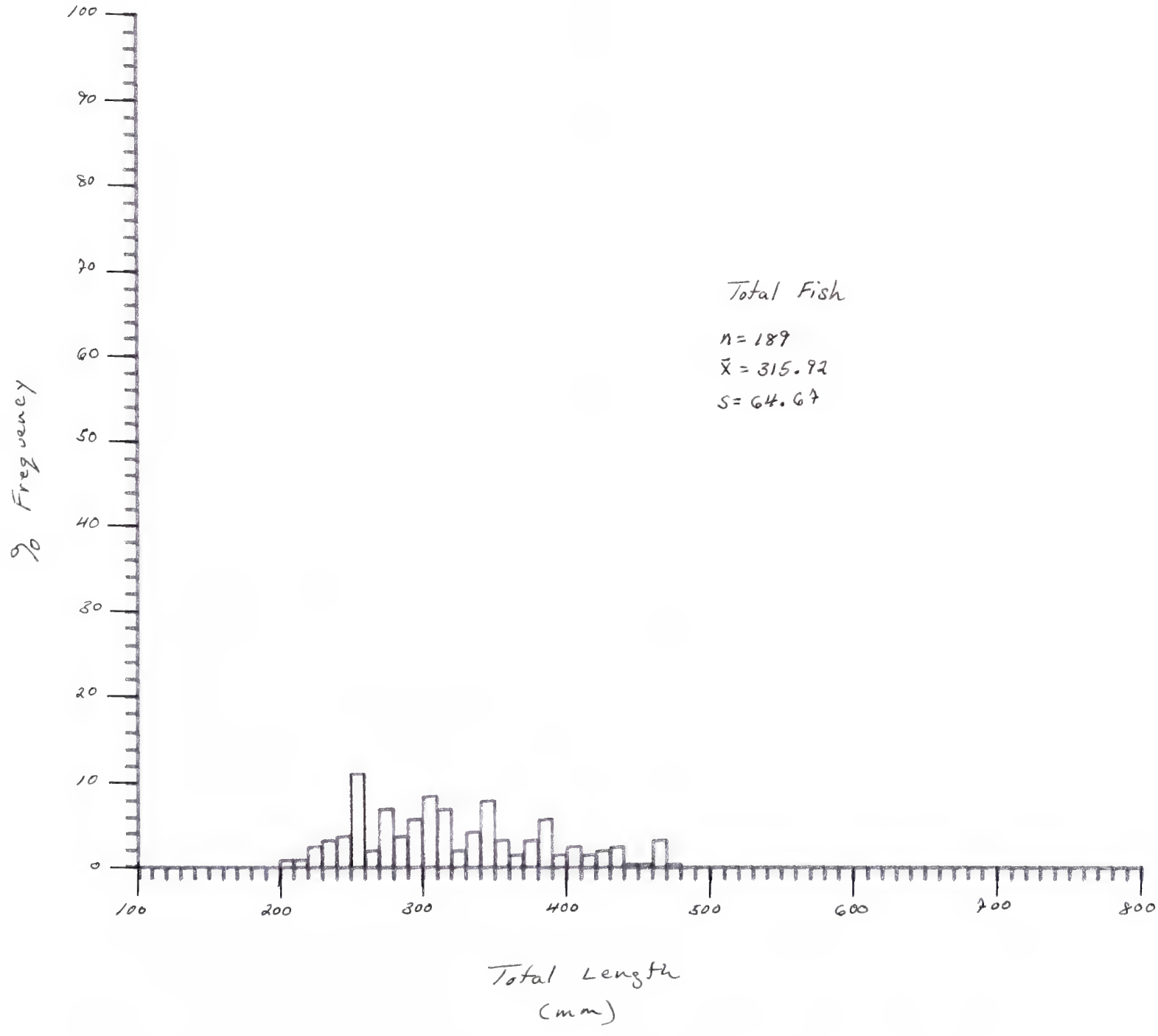
♀ 205 - 480

SEX RATIO:

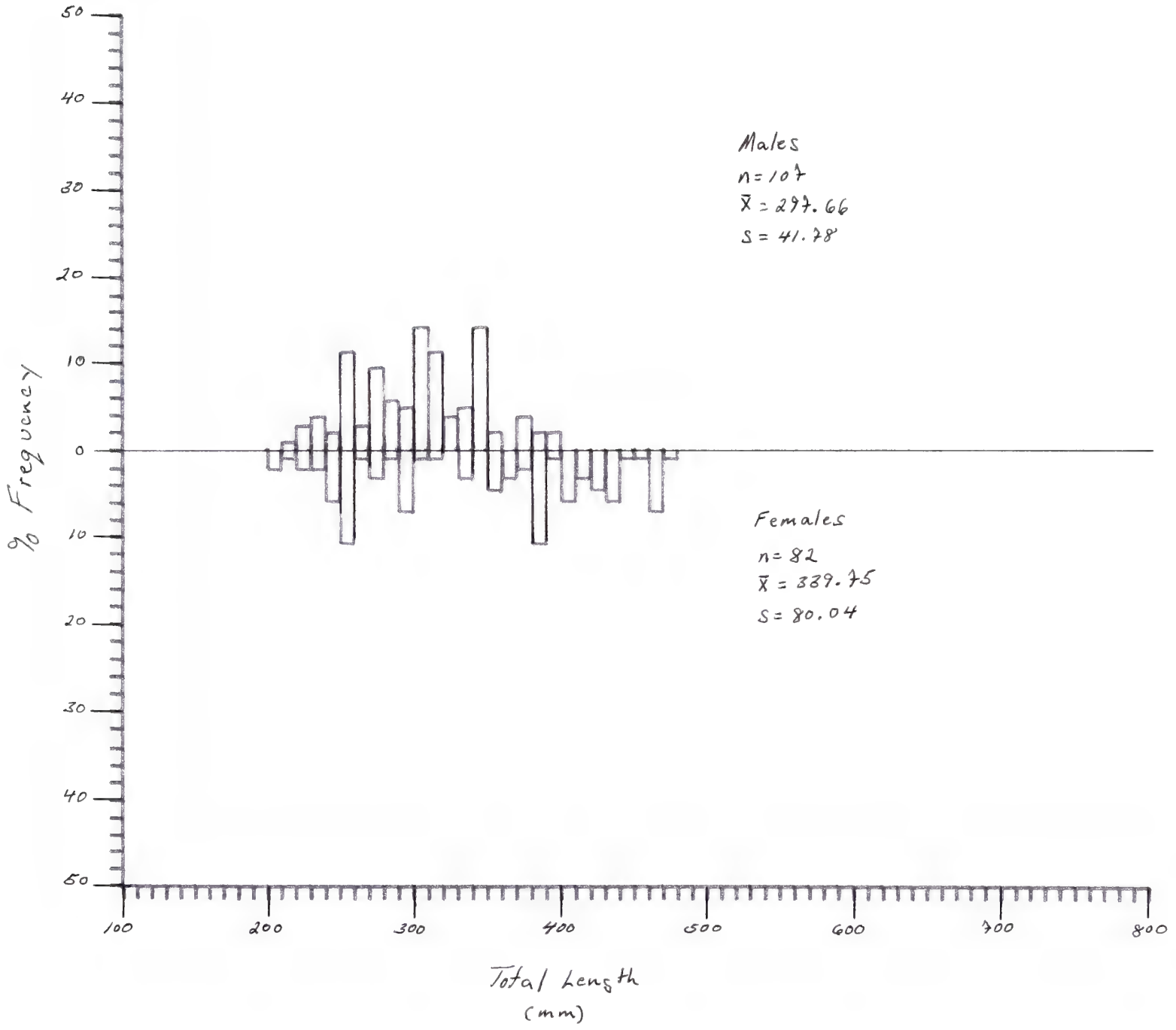
♂ 102

♀ 89

December 1975
Area III



December 1975
Area III



Length-frequency distribution

only station

Species: *Paraclichthys dentatus*

Station: 2895 in AREA 4

Date: Dec 8, 1975

Locality: AREA 4

N = 14

T.L.	♂	♀	SEXES COMBD.
100 - 109			
110 -			
120 -			
130 -			
140 -			
150 -			
160 -			
170 -			
180 -			
190 -			
200 -			
210 -			
220 -		I	I
230 -	I	I	2
240 -	I	II	3
250 -	II		I
260 -		II	2
270 -			
280 -			
290 -		I	I
300 -	I		I
310 -	I		I
320 -			
330 -			
340 -			
350 -		II	2
360 -			
370 -			
380 - + OVR	5	9	14
390 -			
400 -			
410 -			
420 -			
430 -			
440 -			
450 -			
460 -			
470 -			
480 -			
490 -			
500 -			
510 -			
520 -			
530 -			
540 -			
550 -			
560 -			
570 -			
580 -			

RANGES

♂ 230 - 310

♀ 227 - 356

SEX COMBD 227 - 356

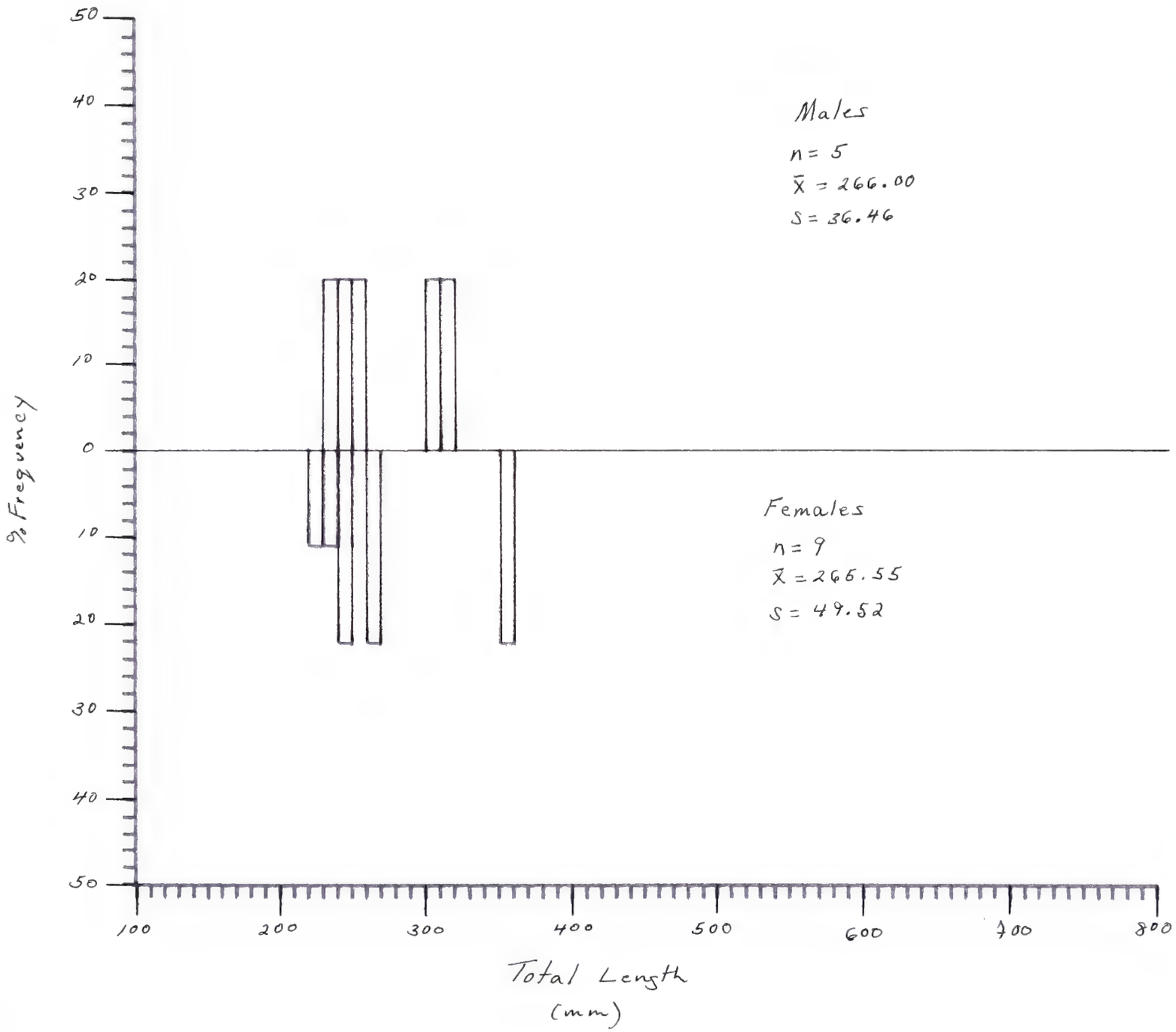
SEX RATIO

♂ 5

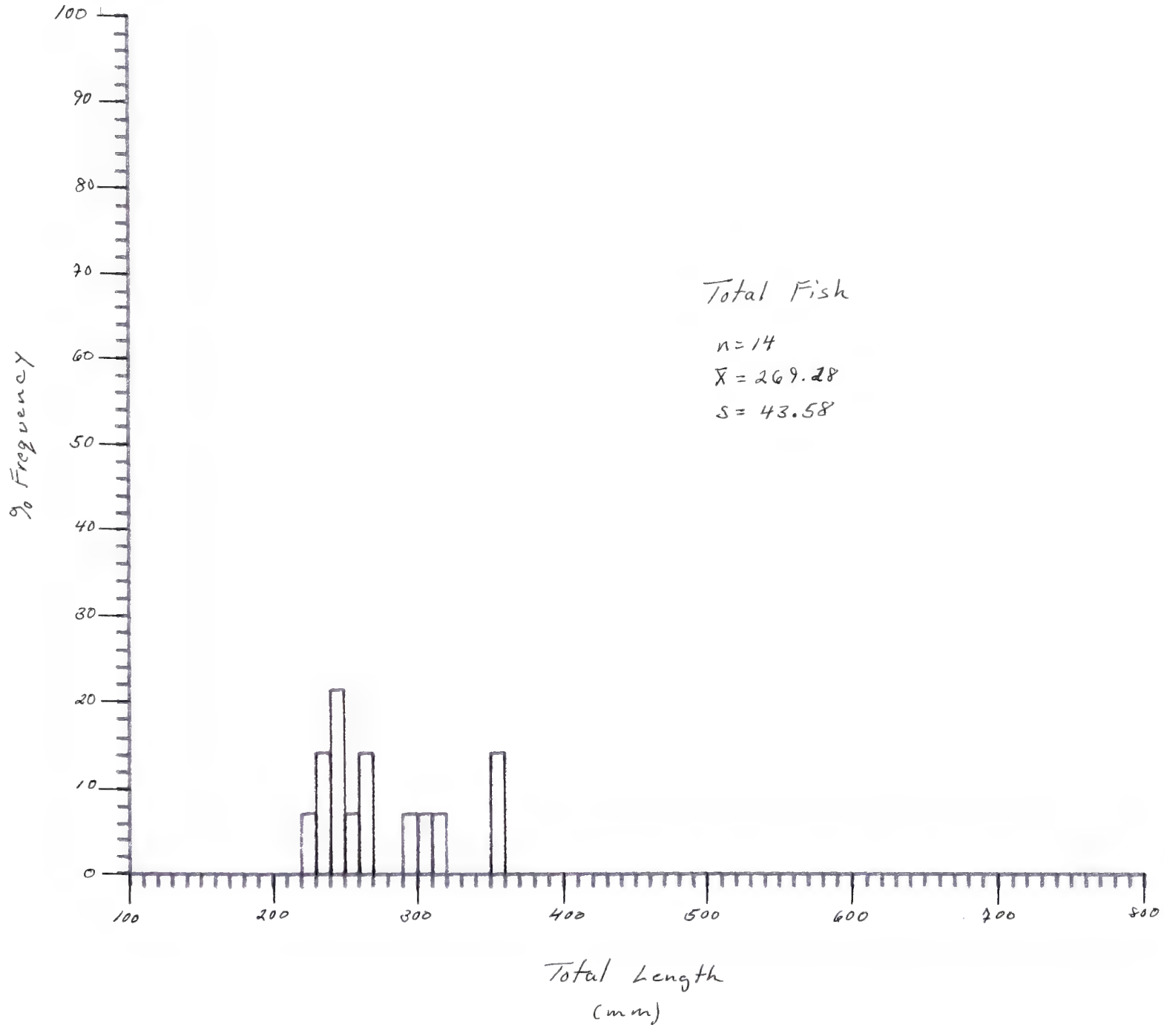
♀ 9

Sheet ___ of ___

December 1975
Area IX



December 1975
Area IV



Length-frequency distribution

Species *Paralichthys dentatus*

Station 2897

Date Dec 8, 1975

Locality: AREA 3

T.L.	♂	RF	♀	RF	SEXES COMBO	RF	T.L.
100-109							600 -
110 -							610 -
120 -	RAISING FACTOR = 2.0159						620 -
130 -							630 -
140 -							640 -
150 -							650 -
160 -							660 -
170 -							670 -
180 -							680 -
190 -							690 -
200 -			1	(1) (2)	(1)	(2)	700 -
210 -							710 -
220 -	1	(1) (2)	1	(1) (2)	(2)	(4)	720 -
230 -	II	(2) (4)			(2)	(4)	730 -
240 -	1	(1) (2)	1	(1) (2)	(2)	(4)	740 -
250 -	IIII	(6) (12)	III	(3) (6)	(9)	(18)	750 -
260 -	1	(1) (2)			(1)	(2)	
270 -	IIII	(4) (8)	1	(1) (2)	(5)	(10)	
280 -	III	(3) (6)			(3)	(6)	
290 -	II	(2) (4)	II	(2) (4)	(4)	(8)	
300 -	IIII II	(7) (14)			(7)	(14)	
310 -	IIII 1	(6) (12)			(6)	(12)	
320 -	II	(2) (4)			(2)	(4)	
330 -	II	(2) (4)	1	(1) (2)	(3)	(6)	
340 -	IIII 1	(6) (12)			(6)	(12)	
350 -	1	(1) (2)			(1)	(2)	
360 -			1	(1) (2)	(1)	(2)	
370 -			1	(1) (2)	(1)	(2)	
380 -	1	(1) (2)	III	(3) (6)	(4)	(8)	
390 -	1	(1) (2)			(1)	(2)	
400 -							
410 -							
420 -			1	(1) (2)	(1)	(2)	
~~430~~ 1	46	92					
440 -		8					
450 -		RF					
460 -			1	(1) (2)	(1)	(2)	
470 -							
480 -		total	17	34	63	126	
490 -				18		18	
500 -				RF		RF	
510 -							
520 -							
530 -							
540 -							
550 -							
560 -							
570 -							
580 -							
590 -							

N = 127

♂ 220 - 393

♀ 205 - 465

COMBO 205 - 465

SEX RATIO

♂ 92

♀ 34

loss 1 Fish in RF

December 1975

Area IV

Total (sexes combined)

December 1975
Area III
Total (sexes combined)

109.00

315.32

Dec 1975
Area IV
Sekep

Males

Females

December 1975
Area III
Sexed

Males Area III

10.00 I
107.00 n
. . . . . .

1.00
0.93 P
210.00

3.00
2.80 P
220.00

4.00
3.73 P
230.00

2.00
1.86 P
240.00

12.00
11.21 P
250.00

3.00
2.80 P
260.00

10.00
9.34 P
270.00

6.00
5.60 P
280.00

5.00
4.67 P
290.00

15.00
14.01 P
300.00

12.00
11.21 P
310.00

4.00
3.73 P
320.00

5.00
4.67 P
330.00

15.00
14.01 P
340.00

2.00
1.86 P
350.00

4.00
3.73 P
370.00

2.00
1.86 P
380.00

2.00
1.86 P
390.00

. . . . . .

1.
107.00 n
2.
297.65 M
3.
1,746.37 ſ
4.
41.78 ∫∫

Females Area III

10.00 I

4 •

41•78 30

Females Area III

10•00 I
82•00 n
• • • • • • • • • • • • • • • • •
2•00
-2•43 P
200•00

1•00
-1•21 P
210•00

2•00
-2•43 P
220•00

2•00
-2•43 P
230•00

5•00
-6•09 P
240•00

9•00
-10•97 P
250•00

1•00
-1•21 P
260•00

3•00
-3•65 P
270•00

1•00
-1•21 P
280•00

6•00
-7•31 P
290•00

1•00
-1•21 P
300•00

1•00
-1•21 P
310•00

P

3•00
-3•65 P
330•00

4•00

3・00
−3・65 P
330・00

4・00
−4・87 P
350・00

3・00
−3・65 P
360・00

2・00
−2・43 P
370・00

9・00
−10・97 P
380・00

1・00
−1・21 P
390・00

5・00
−6・09 P
400・00

3・00
−3・65 P
410・00

4・00
−4・87 P
420・00

5・00
−6・09 P
430・00

1・00
−1・21 P
440・00

1・00
−1・21 P
450・00

6・00
−7・31 P
460・00

1・00
−1・21 P
470・00

・・・・・・・・・・・・・・・

1・
82・00 n
2・
339・75 M
3・
6,407・34 √
4・
80・04 %